

In the Claims

1. (Currently Amended) A method for automatically generating computer program code comprising the steps of:

- generating a description of an application;
- providing said description to a web service;
- parsing said description by said web service;
- locating a suitable coding module on a node contained within a computational grid;
- supplying said description to said node;
- applying said description to said suitable coding module to generate an output object; and
- returning said output object.

2. (Original) The method as set forth in claim 1, wherein said suitable coding module comprises a plurality of coding modules.

3. (Original) The method as set forth in claim 2, wherein said plurality of coding modules is located on a plurality of nodes within a computational grid.

4. (Previously presented) The method as set forth in claim 1, wherein said description is generated using Object Meta Language (OML).

5. (Previously presented) The method as set forth in claim 4, wherein said OML is an eXtensible Markup Language (XML) dialect.

6. (Currently Amended) The method as set forth in claim 1, wherein said suitable coding module is an XML template.

7. (Currently Amended) The method as set forth in claim 1, wherein said suitable coding module is an eXtensible Stylesheet Language (XSL) style sheet.

8. (Currently amended) The method as set forth in claim 7, wherein the step of applying said description to said suitable coding module further comprises the steps of:

parsing said description to locate at least one variable; and

substituting said at least one variable with at least one replacement variable, wherein said at least one replacement variable is the result of an XML/XSL transform.

9. (Currently Amended) The method as set forth in claim 6, wherein the step of applying said description to said suitable coding module further comprises the steps of:

parsing said description to locate at least one variable; and

substituting said at least one variable with at least one replacement variable, wherein said at least one replacement variable is stored in said XML template.

10. (Previously presented) The method as set forth in claim 1, wherein said web service is IBM WebSphere.

11. (Previously presented) The method as set forth in claim 1, wherein said output object is a Java file.

12. (Currently Amended) A computer program product embodied on a computer readable medium for automatically generating computer program code, comprising computer executable instructions for:

generating a description of an application;

providing said description to a web service;

parsing said description by said web service;

locating a suitable coding module on a node contained within a computational grid;

supplying said description to said node;

applying said description to said suitable coding module to generate an output object; and

returning said output object.

13. (Original) The computer program product as set forth in claim 12, wherein said description comprises Object Meta Language (OML).

14. (Currently amended) The computer program product as set forth in claim ~~12~~ 13 wherein said OML is an eXtensible Markup Language (XML) dialect.

15. (Currently amended) The computer program product as set forth in claim 12 wherein said suitable coding module is an XML template.

16. (Currently Amended) The computer program product as set forth in claim 12 wherein said suitable coding module is an eXtensible Stylesheet Language (XSL) style sheet.

17. (Currently Amended) The computer program product as set forth in claim 15 wherein the computer readable instructions for applying said description to said ~~object template~~ suitable coding module further comprise instructions for:

parsing said description to locate at least one variable; and

substituting said at least one variable with at least one replacement variable, wherein said at least one replacement variable is the result of an XML/XSL transform.

18. (Currently Amended) The computer program product as set forth in claim 15 wherein the computer readable instructions for applying said description to said ~~object template~~ suitable coding module further comprise instructions for:

parsing said description to locate at least one variable; and

substituting said at least one variable with at least one replacement variable, wherein said at least one replacement variable is stored in said XML template.

19. (Currently Amended) A system for automatically generating computer program code comprising:

- an input terminal for inputting an application description;
- a computational grid ~~have~~ having at least one node;
- a web service for supplying said application description to said at least one node; and
- a coding module residing on said node, wherein said coding module generates an object from said application description.

20. (Original) The system as set forth in claim 19, wherein said coding module comprises a plurality of coding modules.

21. (Previously presented) The system as set forth in claim 19 wherein said application description is generated using Object Meta Language (OML).

22. (Currently Amended) The system as set forth in claim ~~49~~ 21 wherein said OML is an eXtensible Markup Language (XML) dialect.

23. (Original) The system as set forth in claim 19 wherein said coding module is an XML template.

24. (Previously presented) The system as set forth in claim 19 wherein said coding module is an eXtensible Stylesheet Language (XSL) style sheet.

25. (Currently Amended) The system as set forth in claim 24 wherein said coding module for generating an object from said application description includes computer code for:

- parsing said application description to locate at least one variable; and
- substituting said at least one variable with at least one replacement variable,

wherein said at least one replacement variable is the result of an XML/XSL transform.

26. (Currently Amended) The system as set forth in claim 23 wherein said coding module for generating an object from said application description includes computer code for:
parsing said application description to locate at least one variable; and
substituting said at least one variable with at least one replacement variable,
wherein said at least one replacement variable is stored in said XML template.

27. (Original) The system as set forth in claim 19 wherein said web service is IBM WebSphere.